

## EAST Search History

## EAST Search History (Prior Art)

| Ref # | Hits | Search Query                 | DBs  | Default Operator | Plurals | Time Stamp          |
|-------|------|------------------------------|--|------------------|---------|---------------------|
| S1    | 1    | 10/597561                    | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ              | OFF     | 2012/01/26<br>23:53 |
| S2    | 3    | (Karni near2 volovelsky).in. | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ              | OFF     | 2012/01/26<br>23:59 |
| S3    | 3    | (Motti near2 Golan).in.      | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ              | OFF     | 2012/01/26<br>23:59 |
| S4    | 12   | (Nitzan near2 Goldberg).in.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ              | OFF     | 2012/01/27<br>00:01 |
| S5    | 14   | S2 or S3 or S4               | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ              | OFF     | 2012/01/27<br>00:02 |
| S6    | 3    | S2 or S3                     | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ              | OFF     | 2012/01/27<br>00:02 |
| S7    | 6272 | super resolution             | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ              | OFF     | 2012/01/27<br>00:02 |
| S8    | 3    | S6 and S7                    | US-PGPUB;  | ADJ              | OFF     | 2012/01/27          |

|     |       |                          |  |     |     |                     |
|-----|-------|--------------------------|--|-----|-----|---------------------|
|     |       |                          | USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB              |     |     | 00:02               |
| S9  | 3     | S5 and S7                | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | OFF | 2012/01/27<br>00:02 |
| S10 | 7964  | back projection          | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | OFF | 2012/01/27<br>00:30 |
| S11 | 2235  | back-projection          | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | OFF | 2012/01/27<br>00:30 |
| S12 | 3376  | back-project\$4          | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | OFF | 2012/01/27<br>00:30 |
| S13 | 11884 | back project\$4          | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | OFF | 2012/01/27<br>00:30 |
| S14 | 11884 | S10 or S11 or S12 or S13 | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | OFF | 2012/01/27<br>00:30 |
| S15 | 4103  | super-resolution         | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | OFF | 2012/01/27<br>00:30 |
| S16 | 6273  | S7 or S15                | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;            | ADJ | OFF | 2012/01/27<br>00:31 |

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|     |        |  | IBM_TDB  |     |     |                     |
| S17 | 138    | S14 and S16  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | OFF | 2012/01/27<br>00:31 |
| S18 | 270342 | up\$1sampl\$3 or super\$1sampl\$3 or<br>(super adj sampl\$3) or interpolat\$3 or<br>((increas\$3 or rais\$3) near2 resolution)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | OFF | 2012/01/27<br>00:43 |
| S19 | 1997   | S10 and S18  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | OFF | 2012/01/27<br>00:49 |
| S20 | 103983 | "382".clas.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | OFF | 2012/01/27<br>00:51 |
| S21 | 516    | S19 and S20  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | OFF | 2012/01/27<br>00:51 |
| S24 | 2      | "6456339".pn.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | OFF | 2012/01/27<br>22:32 |
| S25 | 2      | "5649032".pn.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | OFF | 2012/01/27<br>22:32 |
| S26 | 139    | ("3943279"   "4099092"   "4330813"  <br>"4485409"   "4634384"   "4634882"  <br>"4635105"   "4656506"   "4684996"  <br>"4734779"   "4757239"   "4760388"  <br>"4866530"   "4890314"   "4924318"  <br>"4974073"   "4999703"   "5020116"  <br>"5065076"   "5091773"   "5111103"  <br>"5130794"   "5136390"   "5157503"  <br>"5179440"   "5194959"   "5231481"  <br>"5242306"   "5258830"   "5264694"  <br>"5329310"   "5351097"   "5386228" | US-PGPUB;<br>USPAT;<br>USOCR   | ADJ | OFF | 2012/01/27<br>23:17 |

|     |        |  |  |     |     |                     |
|-----|--------|--|--|-----|-----|---------------------|
|     |        | "5396257"   "5475447"   "5476314"  <br>"5483299"   "5502481"   "5512968"  <br>"5594676"   "5619255"   "5703604"  <br>"5793340"   "5847777"   "6100926"  <br>"6124685"   "RE34689").PN. OR<br>("6456339").URPN. |  |     |     |                     |
| S27 | 227    | ("4928252"   "5034986"   "5040067"  <br>"5187754"   "5258837"   "5325449"  <br>"5339104"   "5416606").PN. OR<br>("5649032").URPN.  | US-PGPUB;<br>USPAT;<br>USOCR   | ADJ | OFF | 2012/01/27<br>23:19 |
| S28 | 7964   | back projection  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | OFF | 2012/01/27<br>23:20 |
| S29 | 6      | S28 and S26  | US-PGPUB;<br>USPAT;<br>USOCR   | ADJ | OFF | 2012/01/27<br>23:20 |
| S30 | 2      | S28 and S27  | US-PGPUB;<br>USPAT;<br>USOCR   | ADJ | OFF | 2012/01/27<br>23:20 |
| S31 | 1      | 10/597561  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | OFF | 2012/01/28<br>00:40 |
| S32 | 1      | S31 and inflation  | US-PGPUB;<br>USPAT;<br>USOCR   | ADJ | OFF | 2012/01/28<br>00:40 |
| S33 | 34892  | (distortion or blur\$4 or deblurr\$4 or de<br>blur\$4) near5 (optical or lens)   | US-PGPUB;<br>USPAT;<br>USOCR   | ADJ | OFF | 2012/01/28<br>22:08 |
| S34 | 6396   | (distortion or blur\$4 or deblurr\$4 or de<br>blur\$4) near5 (sensor or ccd)   | US-PGPUB;<br>USPAT;<br>USOCR   | ADJ | OFF | 2012/01/28<br>22:09 |
| S35 | 1036   | S33 with S34   | US-PGPUB;<br>USPAT;<br>USOCR   | ADJ | OFF | 2012/01/28<br>22:09 |
| S36 | 7395   | (distortion or blur\$4 or deblurr\$4 or de<br>blur\$4) near5 (distance)  | US-PGPUB;<br>USPAT;<br>USOCR   | ADJ | OFF | 2012/01/28<br>22:11 |
| S37 | 112    | S35 and S36  | US-PGPUB;<br>USPAT;<br>USOCR   | ADJ | OFF | 2012/01/28<br>22:12 |
| S38 | 6273   | super resolution   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | OFF | 2012/01/28<br>22:35 |
| S39 | 0      | S37 and S38  | US-PGPUB;<br>USPAT;<br>USOCR   | ADJ | OFF | 2012/01/28<br>22:35 |
| S40 | 270381 | up\$1sampl\$3 or super\$1sampl\$3 or   | US-PGPUB;  | ADJ | OFF | 2012/01/28          |

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|-----|-----|---|--|-----|-----|---------------------|
|     |     | (super adj sampl\$3) or interpolat\$3 or ((increas\$3 or rais\$3) near2 resolution) | USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB              |     |     | 22:36               |
| S41 | 27  | S37 and S40   | US-PGPUB;<br>USPAT;<br>USOCR   | ADJ | OFF | 2012/01/28<br>22:36 |
| S44 | 323 | S35 and S40   | US-PGPUB;<br>USPAT;<br>USOCR   | ADJ | OFF | 2012/01/28<br>22:45 |
| S46 | 28  | S33 with S34 with (combination or combin\$4)  | US-PGPUB;<br>USPAT;<br>USOCR   | ADJ | OFF | 2012/01/28<br>22:50 |
| S47 | 1   | 12/003358   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON  | 2012/05/08<br>16:21 |
| S48 | 3   | "4786818".pn.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON  | 2012/05/08<br>16:29 |
| S49 | 2   | "5062000".pn.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON  | 2012/05/08<br>16:30 |
| S50 | 2   | "5223754".pn.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON  | 2012/05/08<br>16:30 |

EAST Search History (Interference)

| Ref # | Hits | Search Query  | DBs                         | Default Operator | Plurals | Time Stamp          |
|-------|------|---|-----------------------------|------------------|---------|---------------------|
| L2    | 75   | (overlap\$4 and (Noise or error or moire or artifact or defect or distortion or fault or flaw or imperfection) near3 inverse and (inflati\$4 or expand\$4) or resolution and hypothesis).clm.   | US-PGPUB;<br>USPAT;<br>UPAD | ADJ              | ON      | 2012/05/08<br>21:26 |
| L3    | 3    | (overlap\$4 and (Noise or error or moire or artifact or defect or distortion or fault or flaw or imperfection) near3 inverse and (inflati\$4 or expand\$4) or resolution and hypothesis and (back project\$4 or backproject\$4)).clm. | US-PGPUB;<br>USPAT;<br>UPAD | ADJ              | ON      | 2012/05/08<br>21:34 |
| L4    | 1    | (overlap\$4 and (Noise or error or moire or artifact or defect or distortion or fault or flaw or imperfection) near3 inverse and (inflati\$4 or   | US-PGPUB;<br>USPAT;         | ADJ              | ON      | 2012/05/08<br>21:43 |

|     |    |  |                       |     |    |                  |
|-----|----|--|-----------------------|-----|----|------------------|
|     |    | expand\$4) and resolution and hypothesis).clm.   | UPAD                  |     |    |                  |
| L5  | 1  | (overlap\$4 and (Noise or error or moire or artifact or defect or distortion or fault or flaw or imperfection) near3 inverse and (inflati\$4 or expand\$4) and resolution and hypothesis).clm. | US-PGPUB; USPAT; UPAD | ADJ | ON | 2012/05/08 21:43 |
| L6  | 0  | (overlap\$4 and (Noise or error or moire or artifact or defect or distortion or fault or flaw or imperfection) near3 inverse and resolution and hypothesis).clm.                               | US-PGPUB; USPAT; UPAD | ADJ | ON | 2012/05/08 21:44 |
| L7  | 1  | (overlap\$4 and (Noise or error or moire or artifact or defect or distortion or fault or flaw or imperfection) near3 inverse and resolution and hypothesis).clm.                               | US-PGPUB; USPAT; UPAD | ADJ | ON | 2012/05/08 21:44 |
| L8  | 50 | (overlap\$4 and (Noise or error or moire or artifact or defect or distortion or fault or flaw or imperfection) near3 inverse and resolution and hypothesis)                                    | US-PGPUB; USPAT; UPAD | ADJ | ON | 2012/05/08 21:45 |
| L9  | 30 | (overlap\$4 and (Noise or error or moire or artifact or defect or distortion or fault or flaw or imperfection) near3 inverse and (inflati\$4 or expand\$4) and resolution and hypothesis)      | US-PGPUB; USPAT; UPAD | ADJ | ON | 2012/05/08 21:46 |
| L10 | 30 | (overlap\$4 and (Noise or error or moire or artifact or defect or distortion or fault or flaw or imperfection) near3 inverse and (inflati\$4 or expand\$4) and resolution and hypothesis)      | US-PGPUB; USPAT; UPAD | ADJ | ON | 2012/05/08 21:46 |
| L11 | 6  | (overlap\$4 and (Noise or error or moire or artifact or defect or distortion or fault or flaw or imperfection) near3 inverse and (centroid) and distance and resolution and hypothesis)        | US-PGPUB; USPAT; UPAD | ADJ | ON | 2012/05/08 21:47 |

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